

**GENERAL PHYSIOLOGY**

**Time: 3 hrs**

**Max marks : 80**

- **Answer all questions**
- **Draw diagram wherever necessary**

**Essays**

**(2x15=30)**

1. Define erythropoiesis. Enumerate the different stages of it and describe the changes taking place in each stage. **(1+7+7=15)**
2. Describe the visual pathway. Add a note on the errors of refraction. **(10+5=15)**

**Short notes**

**(6x5=30)**

3. Functions of gall bladder.
4. Cushing's syndrome.
5. Hypoxia.
6. Composition of gastric juice.
7. Erythroblastosis fetalis.
8. Taste pathway.

**Answer briefly**

**(5x2 = 10)**

9. Polycythaemia.
10. Acuity of vision.
11. Arterial BP.
12. Synapse.
13. Yellow spot (macula lutea).

**One word answer**

**(10x1 =10)**

14. Normal tidal volume .
15. HCl is produced from which cell of gastric mucosa.
16. Insulin is produced from which cell of pancreas.
17. Normal blood pressure.
18. Normal WBC count.
19. Type of lens used to correct presbyopia.
20. Structural and functional unit of kidney.
21. Tract through which temperature sensation is carried.
22. Cause of second heart sound.
23. Most important respiratory muscle.

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